FIG 1

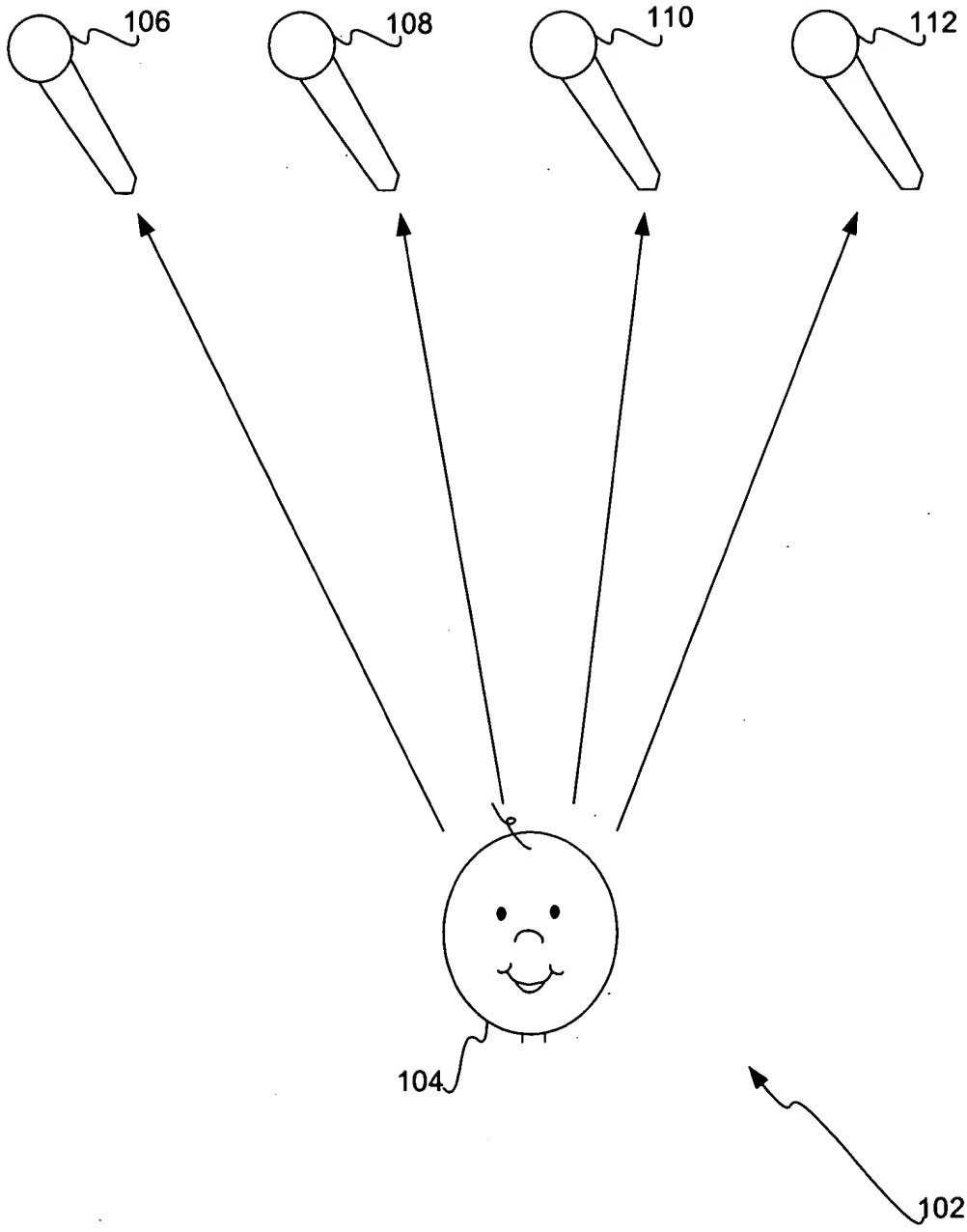


FIG 2

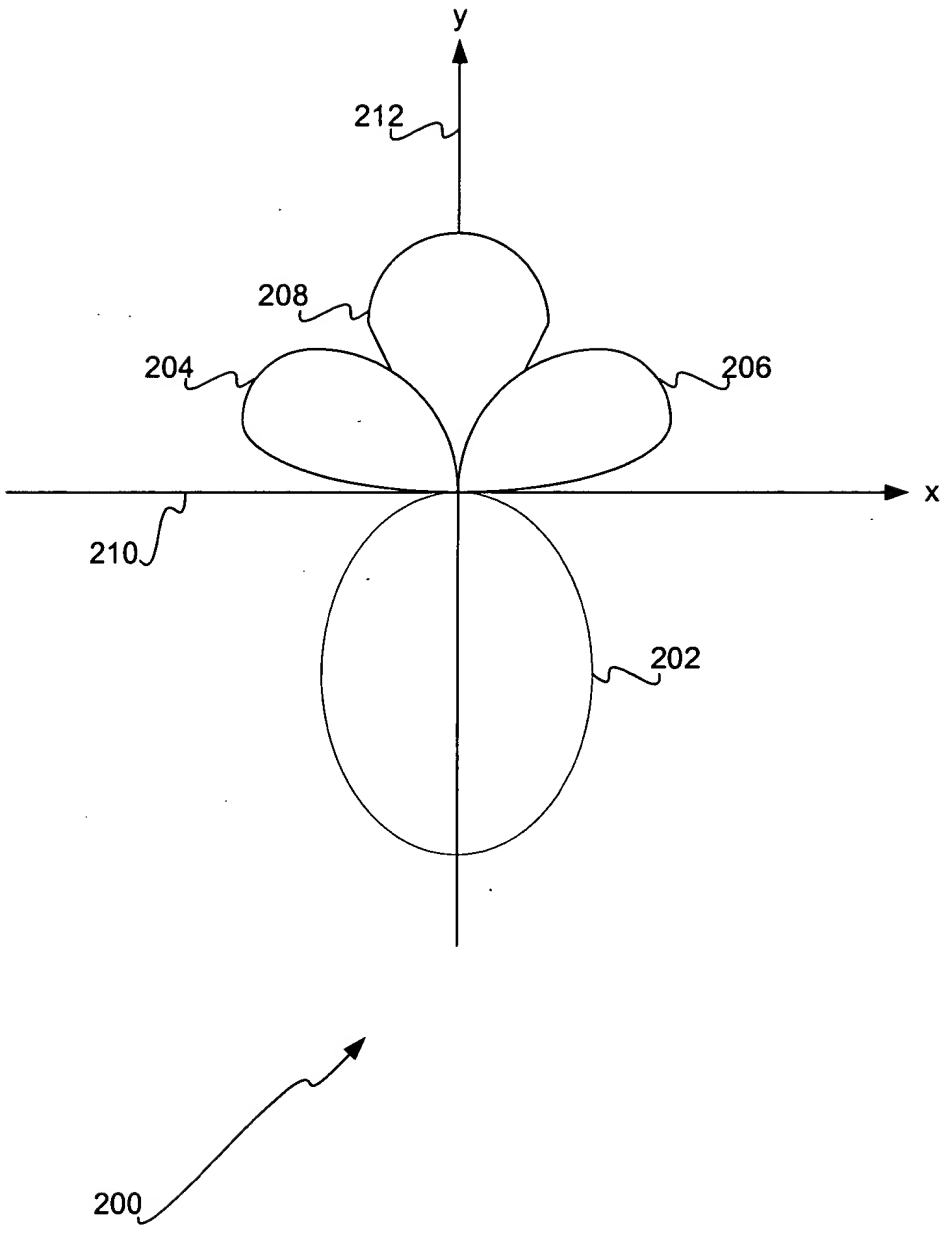


FIG 3

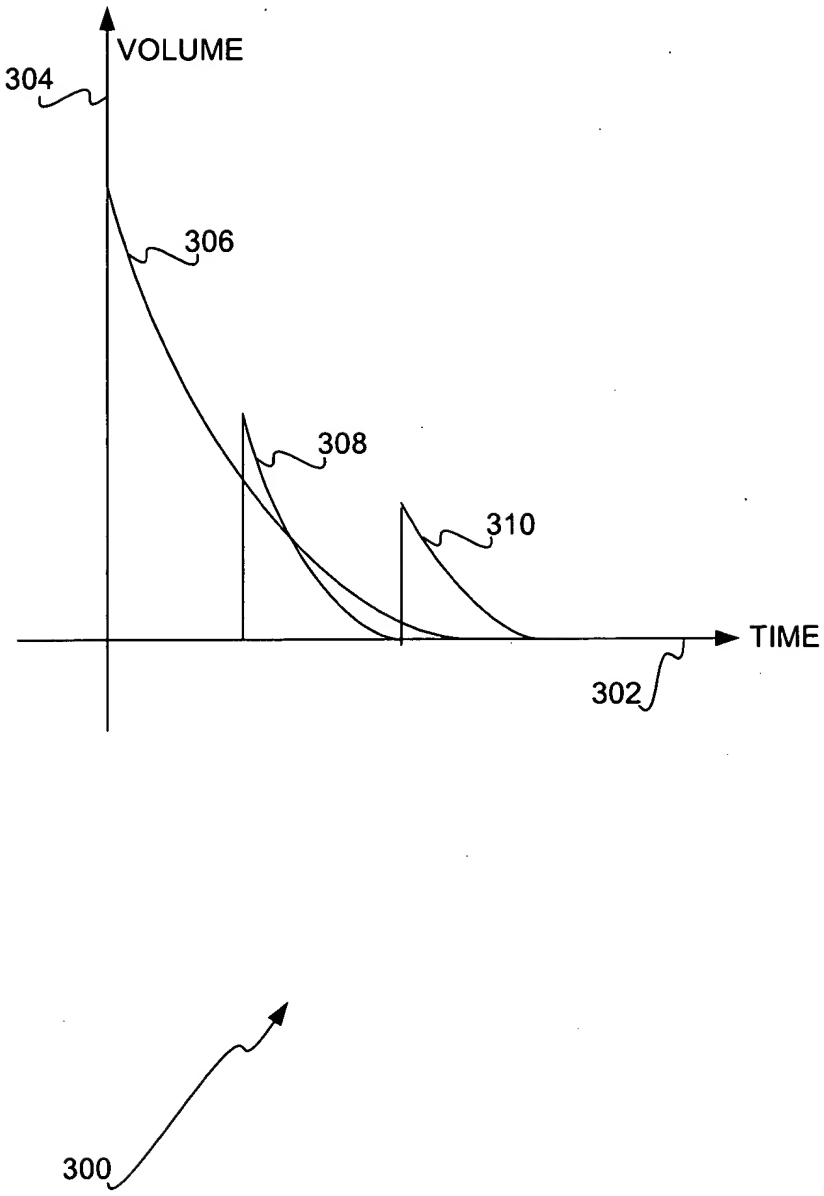


FIG 4

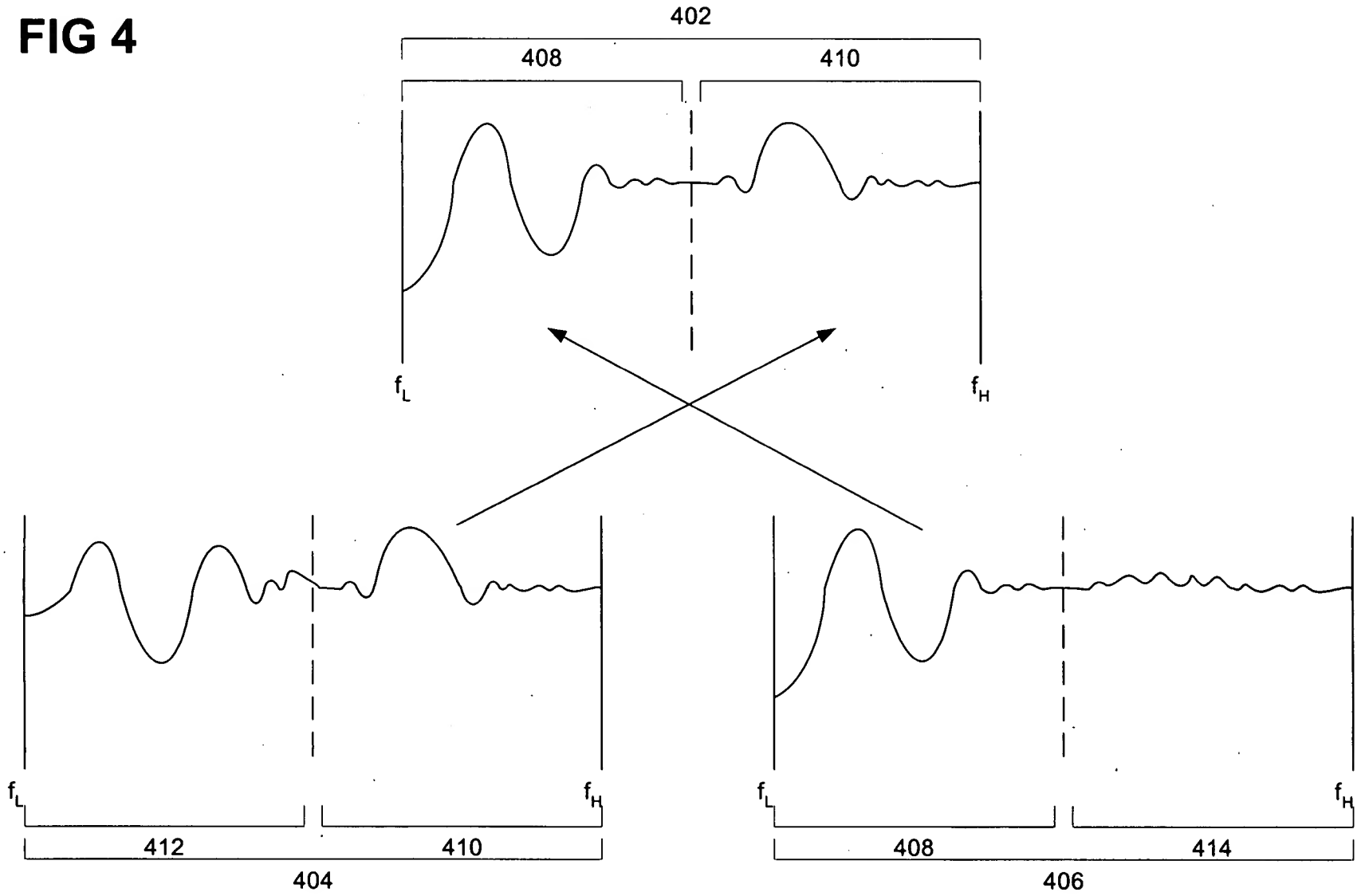


FIG 5

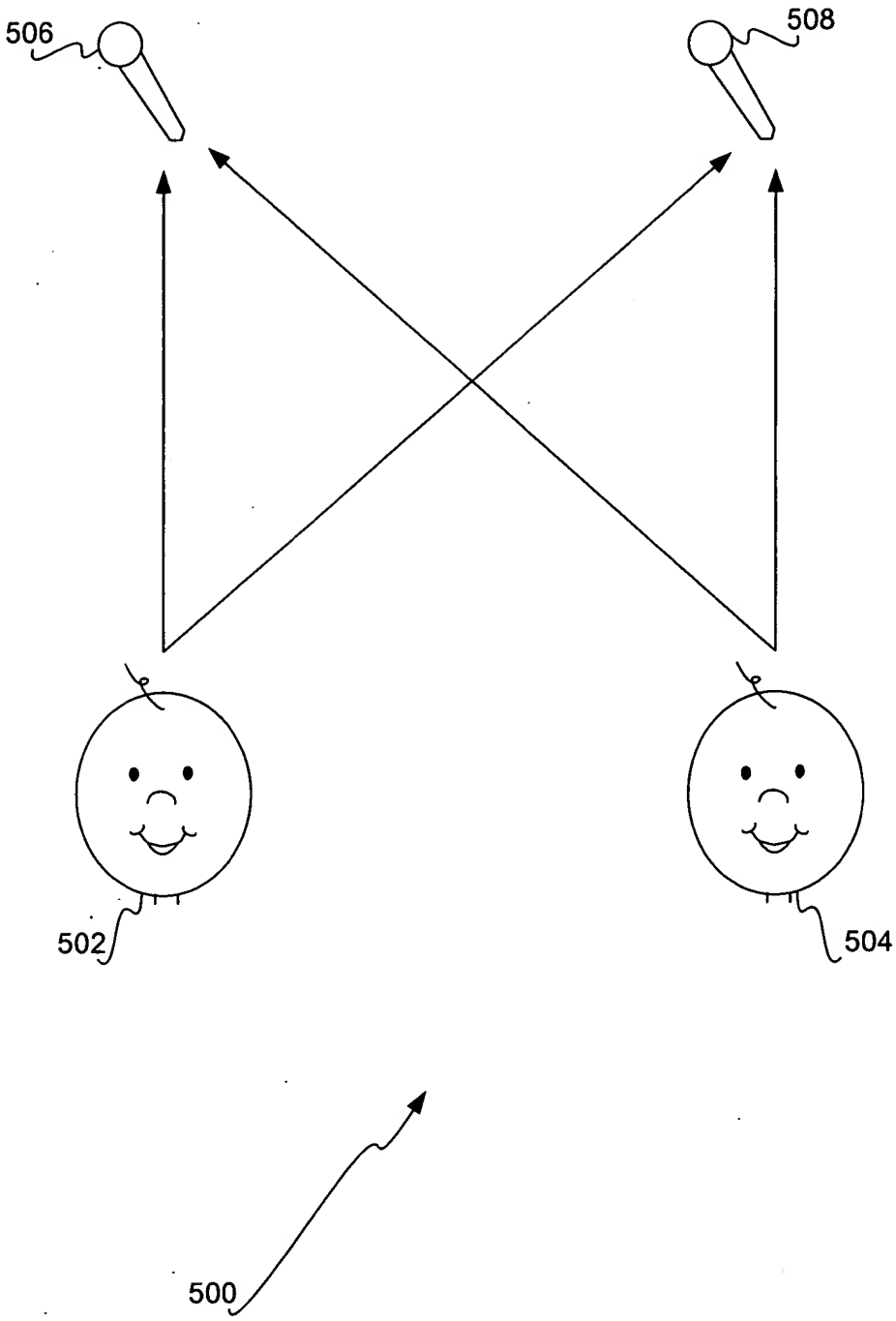


FIG 6

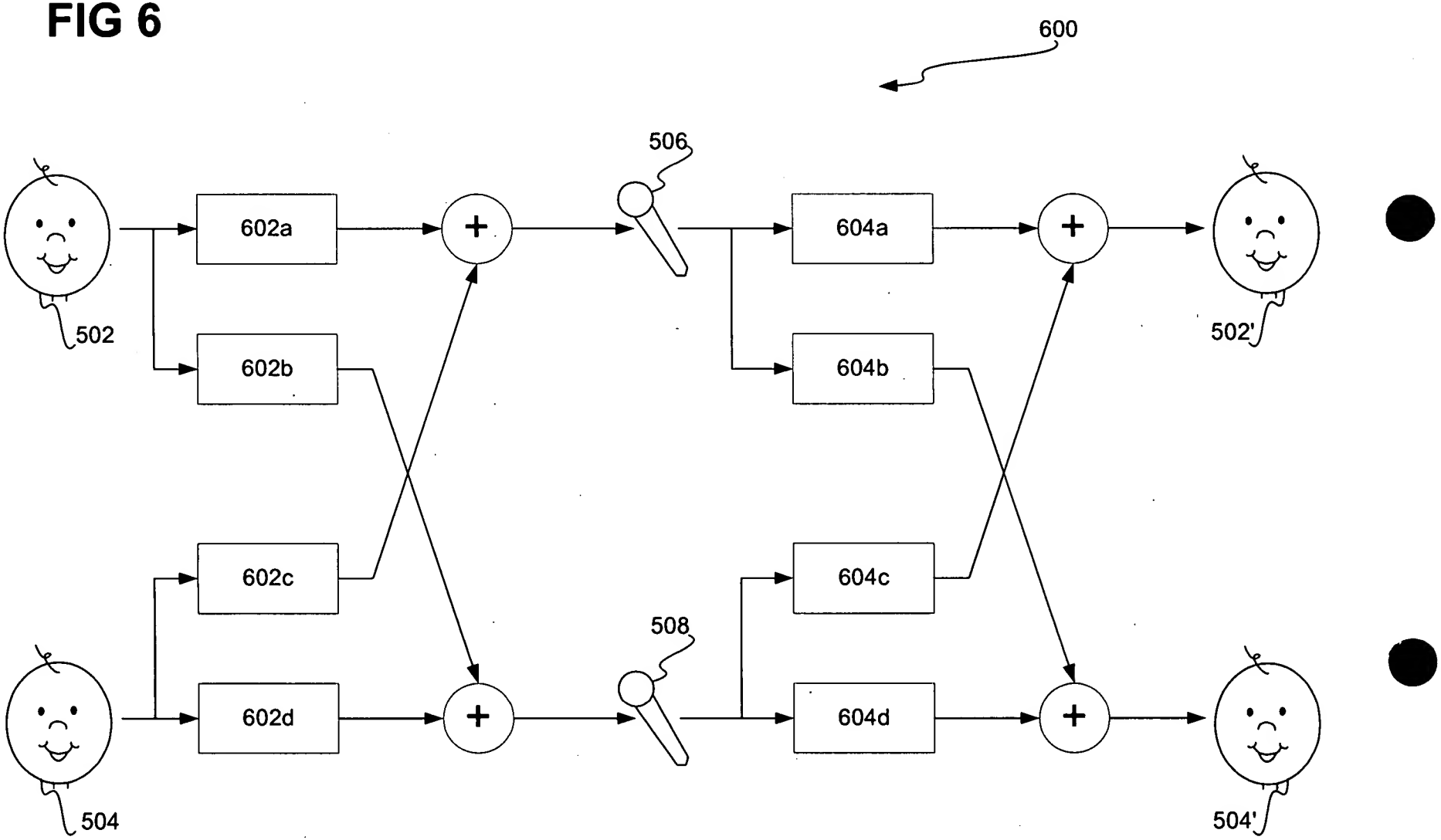

600
506
502
602a
602b
602c
602d
508
504
604a
604b
604c
604d
502'
504'

FIG 7

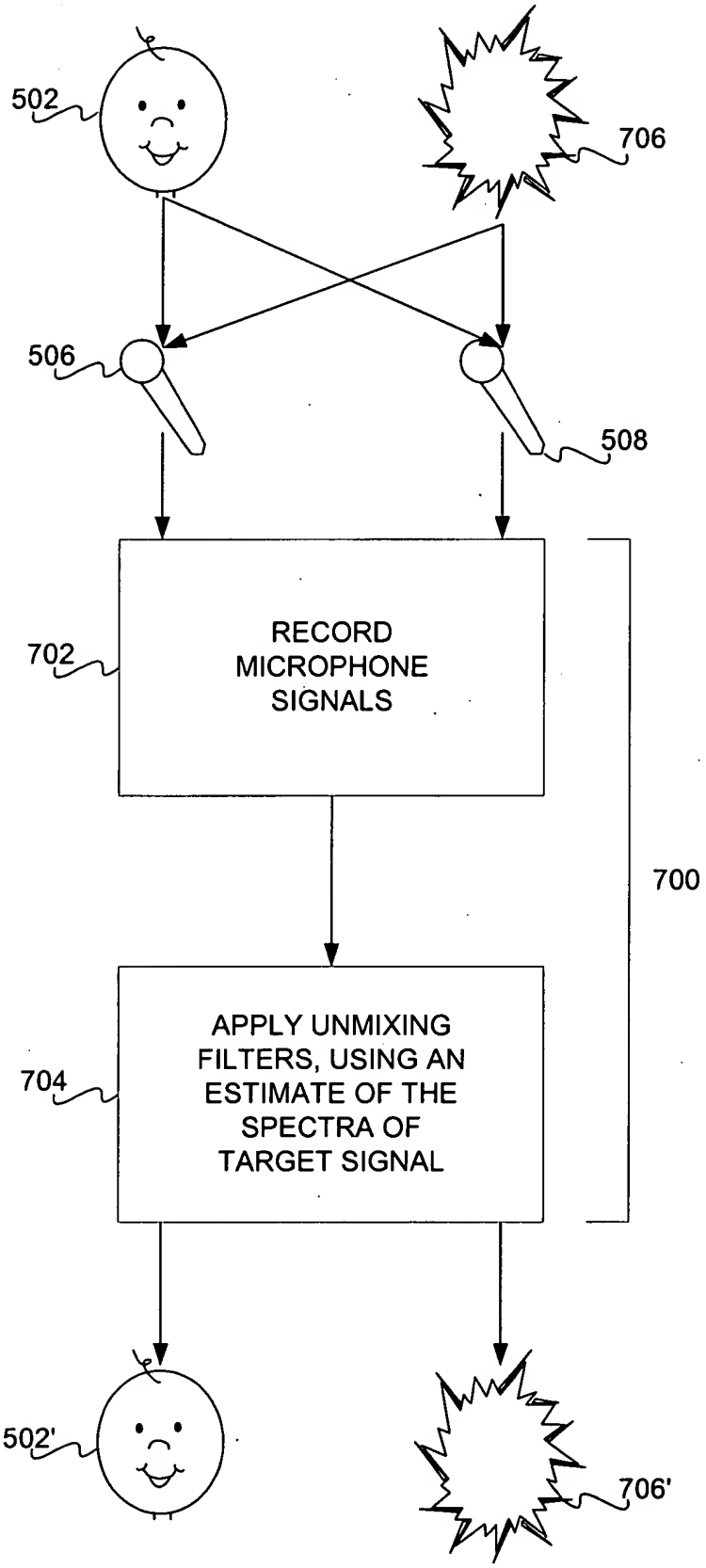

502
706
506
508
RECORD MICROPHONE SIGNALS
702
700
APPLY UNMIXING FILTERS, USING AN ESTIMATE OF THE SPECTRA OF TARGET SIGNAL
704
502'
706'

FIG 8

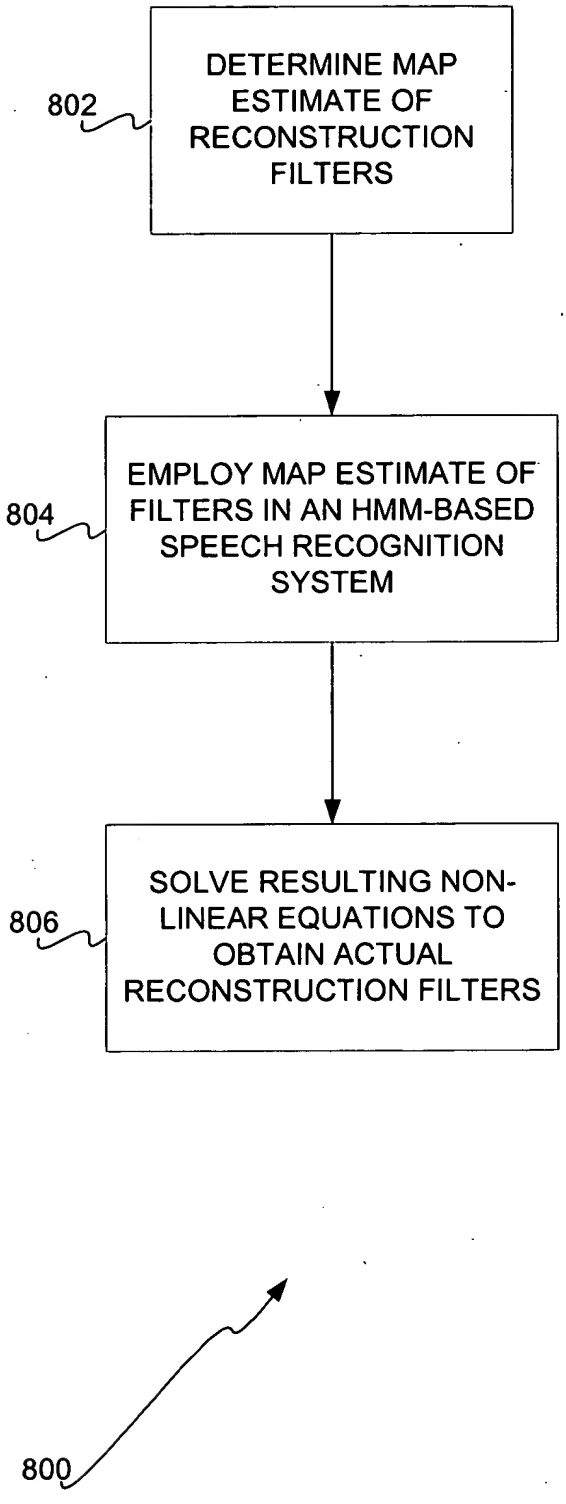

DETERMINE MAP ESTIMATE OF RECONSTRUCTION FILTERS
802
EMPLOY MAP ESTIMATE OF FILTERS IN AN HMM-BASED SPEECH RECOGNITION SYSTEM
804
SOLVE RESULTING NON-LINEAR EQUATIONS TO OBTAIN ACTUAL RECONSTRUCTION FILTERS
806
800

FIG 9

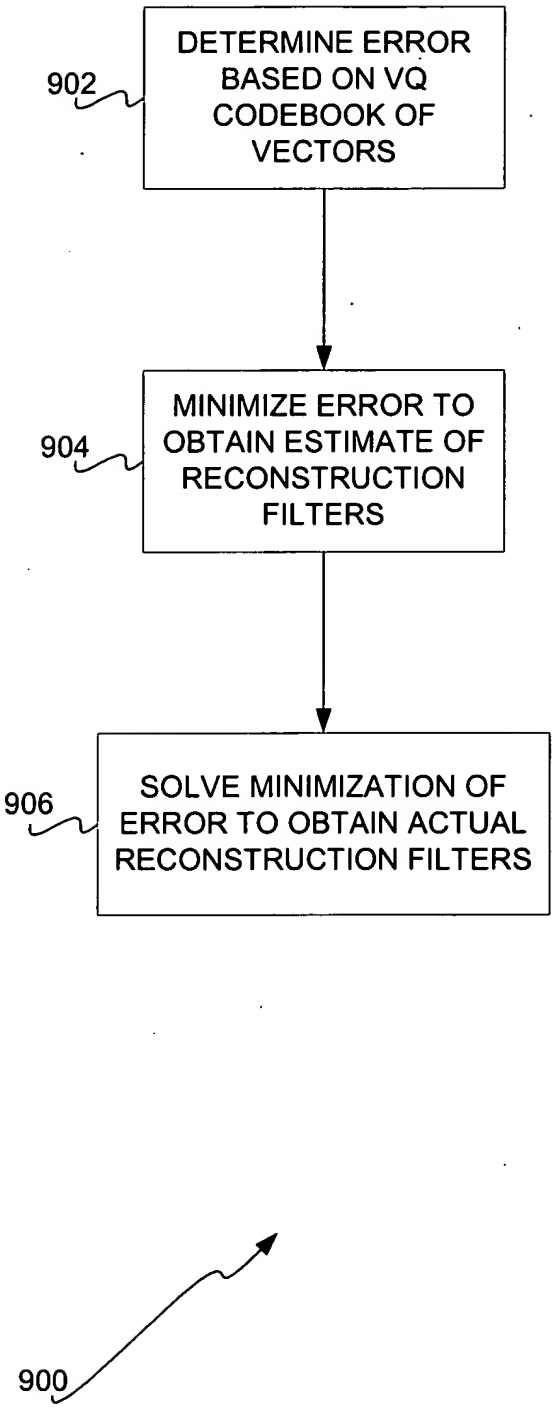

DETERMINE ERROR BASED ON VQ CODEBOOK OF VECTORS
902
MINIMIZE ERROR TO OBTAIN ESTIMATE OF RECONSTRUCTION FILTERS
904
SOLVE MINIMIZATION OF ERROR TO OBTAIN ACTUAL RECONSTRUCTION FILTERS
906
900

FIG 10

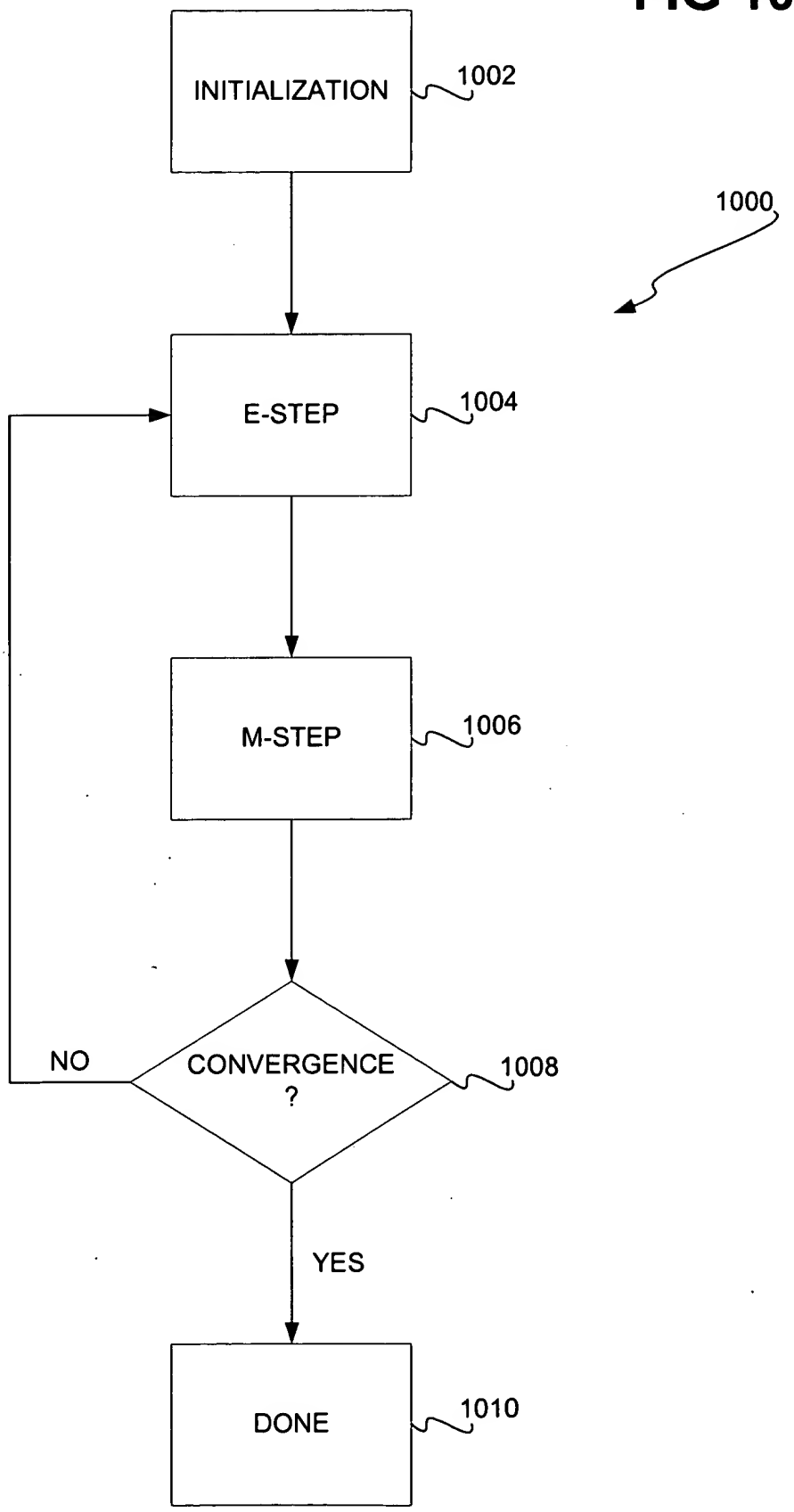
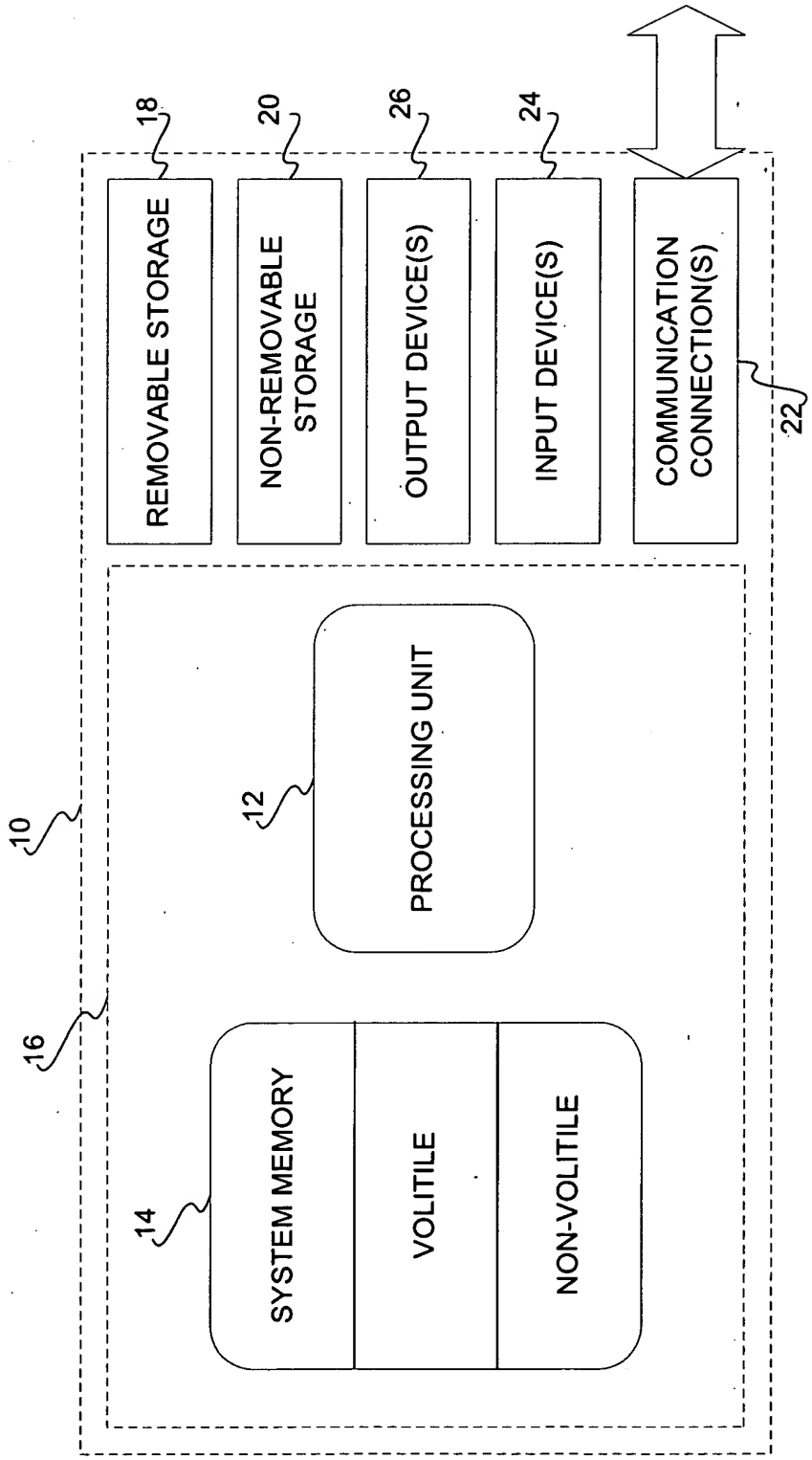

INITIALIZATION
1002
1000
E-STEP
1004
M-STEP
1006
NO
CONVERGENCE ?
1008
YES
DONE
1010

FIG 11


10
12
PROCESSING UNIT
16
14
SYSTEM MEMORY
VOLITILE
NON-VOLITILE
18
REMOVABLE STORAGE
20
NON-REMOVABLE STORAGE
26
OUTPUT DEVICE(S)
24
INPUT DEVICE(S)
COMMUNICATION CONNECTION(S)
22